



**Mail all Applications to :**  
MCAQD One Stop Shop  
Permit Application Intake  
501 N. 44<sup>th</sup> Street, 2<sup>nd</sup> Floor  
Phoenix AZ 85008-6538  
Phone: (602) 506-6464

Air Quality Department Offices  
1001 N. Central Ave., Suite 400  
Phoenix, Arizona 85004-1944  
Phone: (602) 506-6094  
Fax: (602) 506-6985  
Website: <http://www.maricopa.gov/aq/>

## **APPLICATION INSTRUCTIONS FOR THE AUTHORITY TO OPERATE AND/OR CONSTRUCT A GRAPHIC ARTS OPERATION UNDER THE GENERAL PERMIT**

Facilities that qualify for an Authority to Operate (ATO) or Construct under the Maricopa County General Permit for Graphic Arts Operations must use this form to apply for an ATO. Using this application, you will obtain an ATO under this General Permit faster and at a lower cost than if applying for an individual source permit. Do not use this form for amending prior applications, for adding additional pieces of equipment at existing facilities, etc.

Complete the application by typing or printing legibly. If the application is for an existing facility that currently has a valid authority to operate under the graphic arts general permit, no application fee is required. If the application is for initial coverage under the graphic arts general permit, a fee of **\$320** must be submitted with the application. If a Notice of Violation was issued for constructing and operating a new facility without a permit, an additional \$100 is due with the application for a total of **\$420**. The Department will send a billing to cover the annual administration fee.

This General Permit covers facilities which are Graphic Arts Operations that:

- Have a combination of printing presses with greater than 500 square inches (3226 cm<sup>2</sup>) of impression area or any press employing more than two units per printing press. "Units" means the number of printing surfaces.  
[County Rule 200 § 303.3d]
- Emit less than 25 tons (22,680 kg) per calendar year and less than 4200 pounds (1909 kg) per month of Volatile Organic Compounds (VOC's) from the facility, including but not limited to combined graphic arts, solvent use and boiler operations.  
[County Rule 240 § 307.2]
- Do not use an Emissions Control System (ECS) to control solvent emissions. Using an ECS involves a case by case engineering review and a General Permit cannot be used at a facility which employs such a system.  
[County Rule 230 § 305]
- Do not conduct any other operations requiring an air quality permit other than printing operations, fuel burning and having an emergency generator.

If it is found that your facility does not qualify for coverage under this general permit, the application will be forwarded for review as an individual source permit. If you are required to obtain an individual source permit, you will be billed later for any additional applicable permit fees.

In the application, items 1 through 15 and the Technical Section(s) that apply to your facility must be completed. Sketch or attach a sketch to show the location of the printing unit(s) and any fuel burning equipment. If necessary, attach additional sheets to the application to provide all required information. Obtaining this ATO through fraud or misrepresentation may subject you to civil and criminal penalties.

The Maricopa County Air Pollution Control Rules and Regulations are available at the listed address. To obtain a copy, contact the Department for information and costs, or download them from our Internet site:  
[http://www.maricopa.gov/aq/divisions/planning\\_analysis/](http://www.maricopa.gov/aq/divisions/planning_analysis/)

Businesses needing assistance in completing the application package may contact the Business Resource Division at (602) 506-5102. They may also be contacted by e-mail through the following web address:  
[http://www.maricopa.gov/aq/divisions/business\\_resource/](http://www.maricopa.gov/aq/divisions/business_resource/)



MARICOPA COUNTY  
AIR QUALITY DEPARTMENT  
1001 N. Central Ave, Suite 400  
Phoenix, Arizona 85004  
(602) 506-6094  
FAX (602) 506-6985

DATE RECEIVED

LOG NUMBER

**APPLICATION FOR THE AUTHORITY TO OPERATE AND/OR CONSTRUCT  
A GRAPHIC ARTS FACILITY UNDER THE GENERAL PERMIT**

(As required by A.R.S. §49-480 and Maricopa County Air Pollution Control Regulations, Rule 200)

READ INSTRUCTIONS FIRST. ALL APPLICANTS MUST COMPLETE ITEMS 1 THROUGH 15. ALSO COMPLETE EACH APPLICABLE SECTION A, B AND C.

1. BUSINESS NAME:		DO NOT WRITE IN THIS SPACE	
2. SITE ADDRESS:			
CITY:	STATE: <b>AZ</b>		
3. CONTACT AT SITE		3a. TELEPHONE AT SITE (    )	
4. TYPE OF OWNERSHIP:		<input type="checkbox"/> Corporation <input type="checkbox"/> Sole Owner <input type="checkbox"/> Other – Specify:	
		<input type="checkbox"/> Partnership <input type="checkbox"/> Government	
5. NAME AND MAILING ADDRESS OF OWNERSHIP:			
6. TELEPHONE OF OWNERSHIP: (    )			
6a. CONTACT AT OWNERSHIP			
7. SEND ALL CORRESPONDENCE INCLUDING INVOICE AND PERMIT TO:			
COMPANY NAME: _____			
ADDRESS: _____			
CITY: _____		STATE: _____	ZIP CODE: _____
ATTN: _____			
8. SIC (STANDARD INDUSTRIAL CLASSIFICATION) CODE(S):		9. EXISTING AIR POLLUTION CONTROL PERMIT NUMBER FOR THIS SITE, IF ANY:	
10. PROVIDE A BRIEF DESCRIPTION OF BUSINESS/PROCESS AT SITE:			
_____			
_____			
11. OPERATING SCHEDULE			
HOURS PER DAY	DAYS PER WEEK	WEEKS PER YEAR	
12. PROJECTED DATE OF COMPLETION (IF NEW EQUIPMENT)			

13. THE AUTHORIZED CONTACT PERSON REGARDING THIS APPLICATION IS:

NAME \_\_\_\_\_ TELEPHONE \_\_\_\_\_

TITLE \_\_\_\_\_ COMPANY \_\_\_\_\_

EMAIL ADDRESS OF CONTACT: \_\_\_\_\_

14. I CERTIFY THAT I AM FAMILIAR WITH THE OPERATIONS AND EQUIPMENT REPRESENTED ON THIS APPLICATION AND THE STATEMENTS AND INFORMATION PROVIDED HEREIN ARE TRUE, ACCURATE, AND COMPLETE BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY.

TYPE OR PRINT NAME AND TITLE OF RESPONSIBLE OFFICIAL \_\_\_\_\_

DATE \_\_\_\_\_ SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL OF BUSINESS \_\_\_\_\_

15. SITE DIAGRAM: DRAW A SITE LAYOUT OR ATTACH A DRAWING OF EQUIPMENT LOCATIONS AT THE SITE WITH APPROXIMATE DISTANCES TO PROPERTY LINES. SPECIFICALLY SHOW THE LOCATION OF PRESSES, FOUNTAIN SOLUTIONS, INKS, SOLVENTS AND FUEL BURNING EQUIPMENT.



## SECTION A. GRAPHIC ARTS FACILITIES

The following questions apply to all graphic arts facilities:

1. Does your facility have a printing operation which employs a combination of printing presses with greater than 500 square inches (3226 cm<sup>2</sup>) of impression area or have a printing press employing more than two units per press?

YES ☐ NO ☐

**If the answer is NO then a permit is not required. If the answer is YES then please proceed to the question number 2.**

2. Does your facility employ an Emissions Control Device to reduce Emissions?

YES ☐ NO ☐

**If the answer is YES then the General Permit does not apply and an Individual Source Permit Application is required. If the answer is NO then please proceed to question number 3.**

3. Will your facility emit over 25 Tons (22,680 kg) of Volatile Organic Compounds (VOCs) per calendar year or over 4200 pounds (1909 kg) per month of VOCs from the facility, including but not limited to combined graphic arts, solvent use and boiler operations?

YES ☐ NO ☐

**If the answer is YES then the General Permit does not apply and an Individual Source Permit Application is required. If the answer is NO then please proceed.**

**Answer questions 4 thru 7 if your facility uses one or more Offset Lithographic printing presses. If your facility does not use Offset Lithographic printing presses, check not applicable (N/A) to questions 4 thru 7.**

4. If you have any fountain solutions that are not refrigerated, will the facility personnel limit the combined total of alcohol, alcohol substitute, and any other VOC in each fountain solution to less than 5 percent?

YES ☐ NO ☐ N/A ☐

5. If you have any fountain solutions that are refrigerated below 60° F, will the facility personnel limit the combined total of alcohol, alcohol substitute, and any other VOC in each fountain solution to less than 8.5 percent?

YES ☐ NO ☐ N/A ☐

6. Will the facility personnel limit VOC emissions from cleaning solutions by using solutions with a vapor pressure less than or equal to 10 mm Hg at 20° Celsius?

YES ☐ NO ☐ N/A ☐

7. Will the facility personnel store all VOC-containing materials used for cleaning and cleanup, including rags and towels, in closed containers when not in use?

YES ☐ NO ☐ N/A ☐

**If your facility uses one or more Offset Lithographic printing presses, you must answer either YES or N/A to questions 4 and 5 and answer YES to questions 6 and 7 to qualify for coverage under the general permit.**

**Answer questions 8 thru 10 if your facility has fountain solutions containing alcohol. If your facility does not have fountain solutions containing alcohol, answer not applicable (N/A) to questions 8 thru 10.**

8. Will facility personnel monitor the alcohol concentration of each fountain solution source with a refractometer, hydrometer or a conductivity meter having a visual readout (analog or digital) with an accuracy of  $\pm 2$  percent of the meters full scale or  $\pm 0.5$  percent absolute?

YES ☐ NO ☐ N/A ☐

9. Will facility personnel make a weekly entry of the results of the above instrument reading for each fountain source containing alcohol?

YES ☐ NO ☐ N/A ☐

10. Will facility personnel make a weekly record of the names and most current mixing ratio of all alcohol, alcohol-substitutes, and water used in making fountain solution in that source.

YES ☐ NO ☐ N/A ☐

If your facility has fountain solutions containing alcohol, you must answer YES to questions 8, 9 and 10 to qualify for coverage under the general permit.

**Answer question 11 if your facility has a press or presses that ONLY USE ALCOHOL-SUBSTITUTES AND NEVER USE ALCOHOL IN THEIR FOUNTAIN SOLUTIONS, otherwise answer not applicable (N/A) and go on to question 12.**

11. Will facility personnel record once a month the names of all alcohol-substitutes and the mixing ratio of all alcohol-substitutes to water, for each fountain solution source on any press which never uses alcohol?

YES ☐ NO ☐ N/A ☐

If your facility has presses that never use any alcohol in their fountain solutions, you must answer YES to question 11 to qualify for coverage under the general permit.

**The following questions apply to all graphic arts facilities:**

12. Will facility personnel retain a current list of inks, coatings, adhesives, fountain-solution alcohol(s) and alcohol substitutes, thinners, cleaners and any other VOC-containing materials used at the facility stating the VOC content of each in pounds per gallon or grams per liter.

YES ☐ NO ☐

13. Will facility personnel list the VOC vapor pressure at 20°C (68°F) for each blanket wash and other cleaning solution?

YES ☐ NO ☐

14. Will facility personnel maintain monthly Usage Records of graphic arts materials and cleaning solutions showing the type, and amount of each graphic-arts ink, varnish, coating adhesive, fountain solution, blanket wash, and all other cleaning solutions?

YES ☐ NO ☐

15. Will facility personnel retain these records for five years and make them available to the Control Officer upon request?

YES ☐ NO ☐

To qualify for this general permit, you must answer YES to questions 12, 13, 14 and 15.

This section applies to graphic arts operations and associated coating processes. This includes but is not limited to circuitry printing, flexographic, graphic arts, gravure, lamination, letter press lithographic, and screen PRINTING OPERATIONS.

**GUIDE TO FILLING OUT THE GRAPHIC ARTS EQUIPMENT DESCRIPTION TABLE:**

**EQUIPMENT DESCRIPTION:** Make, model, and type.

**INSTALLED OR PROPOSED:** If the equipment already installed, enter actual installation date. If the equipment is proposed for future installation, enter the proposed installation date.

**IMPRESSION AREA:** Total impression area per press.

**PRESS TYPE:** (F) Flexographic, (L) Lithographic, (G) Gravure, (LP) Letter Press, (S) Screen, Other (Please Specify)

**NUMBER OF PRINTING UNIT/SURFACES:** Number of printing surfaces per printing press.

**GRAPHIC ARTS EQUIPMENT DESCRIPTION**

**1. EQUIPMENT LIST ( LIST EACH PRESS INDIVIDUALLY):**

ASSIGNED EQUIPMENT NUMBER	PRESS MANUFACTURER, MODEL	DATE OF ACTUAL OR PROPOSED INSTALLATION	IMPRESSION AREA (SQUARE IN)	PRESS TYPE*	# OF PRINTING UNITS (SURFACES)

\* (F) FLEXOGRAPHIC, (L) LITHOGRAPHIC, (G) GRAVURE, (LP) LETTER PRESS, (S) SCREEN, OTHER (PLEASE SPECIFY)

**2. Materials List: List all materials. This includes but is not limited to: inks, fountain solution, blanket wash, varnishes, roller wash, etch soLutions, fixers, developers, replenishers, alcohol substitutes, finishers, adhesives, other solvents and cleanup materials. Complete the table below for each material. Provide MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH MATERIAL and number them to correspond to the table below.**

MSDS NUMBER	MATERIAL	ANNUAL USAGE OR THROUGHPUT	VOC CONTENT (% BY WEIGHT)	AMOUNT RECLAIMED OR SHIPPED AS WASTE

## SECTION B. FUEL BURNING EQUIPMENT

The General Permit for a Graphic Arts Facility makes provisions for the co-location of fuel burning equipment associated with printing press equipment, so long as the fuel burning equipment is able to meet the following criteria:

- ◆ Each piece of equipment has a heat input rating of less than 10 Million BTU/hr;
- ◆ The aggregate (sum) of heat input ratings for all fuel burning equipment is less than 36 Million BTU/hr;
- ◆ The fuel burning equipment **only** burns natural gas, butane or propane in all equipment, in all equipment other than emergency generators; and

### The following questions apply to Fuel Burning Equipment:

1. Will the maximum heat input rating (as listed by the manufacturer) of any single fuel burning piece of equipment be less than 10 million BTU/hr?  

YES   ☐                      NO   ☐                      N/A   ☐
2. Will the maximum combined heat input rating for all fuel burning equipment (excluding internal combustion engines) at the facility be less than 36 million BTU/hr?  

YES   ☐                      NO   ☐                      N/A   ☐
3. Will you only burn natural gas, propane, and butane as fuels in the fuel burning equipment?  

YES   ☐                      NO   ☐                      N/A   ☐
4. Will you be operating any internal combustion engines at this facility?  

YES   ☐                      NO   ☐

  - a) If you are operating an internal combustion engine at this facility, is the engine less than 260 horsepower?  

YES   ☐                      NO   ☐
  - b) If you are operating an internal combustion engine at this facility, will it serve only as an emergency standby generator?  

YES   ☐                      NO   ☐

To qualify for this general permit, you must answer either YES or N/A to questions 1, 2 and 3. If you answered YES to question 4, you must answer YES to questions 4.a and 4.b. to qualify for this general permit.

5. Unless you marked N/A for question number 1, please complete the equipment description table on the next page:

**GUIDE TO FILLING OUT THE FUEL BURNING EQUIPMENT DESCRIPTION TABLE:**

**EQUIPMENT DESCRIPTION:** Make, model, and type (for example manufacturer, model, type/number and boiler, heater, etc...)

**INSTALLED OR PROPOSED:** Is the equipment already installed, or is it proposed for future installation.

**GROSS INPUT RATING:** This is the heat input rating for the unit, in BTU/hr, and is usually found on a plate located on the side of the unit. Maintenance personnel may be able to assist in the location of this information.

**FUEL BURNING EQUIPMENT DESCRIPTION**

<b>EQUIPMENT DESCRIPTION (make, model, type)</b>	<b>INSTALLED OR PROPOSED</b>	<b>NUMBER OF UNITS</b>	<b>GROSS INPUT RATING (EACH) (BTU/hr)</b>	<b>GROSS INPUT RATING SUBTOTAL (3<sup>rd</sup> column x 4<sup>th</sup> column)</b>
<b>TOTAL GROSS INPUT HEAT RATING (SUM OF THE LAST COLUMN) (MUST BE LESS THAN 60,000,000 BTU/hr)</b>				

**SECTION C. EMERGENCY GENERATORS**

The following questions apply to Emergency Generator(s):

1. Is there an emergency generator(s) located on site?

YES ☐ NO ☐

2. If there is an emergency generator(s), what is the total horsepower rating of all the emergency generator(s) combined?

horsepower

NOTE: The total rating must be 260 horsepower or less to qualify for the general permit.

3. Will the emergency generator(s) be used only for emergency purposes?

NOTE: You must be able to answer yes or not applicable to Question 3 of this Section to qualify for the general permit.

YES ☐ NO ☐ N/A ☐

4. What is the date of manufacture of the emergency generator?

date of manufacture

# STANDARD INDUSTRIAL CLASSIFICATION CODES FOR GRAPHIC ARTS

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## **27-- Printing, Publishing, And Allied Industries**

**2711 Newspaper Publishing Or Publishing & Printing**

**2721 Periodical Publishing Or Publishing & Printing**

**2731 Book Publishing Or Publishing & Printing**

**2732 Book Printing**

**2741 Miscellaneous Publishing**, including the following: Shoppers News Publications, Art Publishers, Catalog Compilers, Map Publishers & Printers, Music Publishers

**2752 Commercial Lithographic Printing**

**2754 Commercial Gravure Printing**

**2759 Commercial Printing**, including the following: Silkscreen Printing, Stationary Engravers, Decal Manufacturing & Wholesale, Business Card Printing, Glass Metal & Plastic Etc Printing, Embossing Services, Imprinting, Law Brief Printers, Post Card Printers, Poster Printers, Thermographers, Printing Brokers, Wedding Announcements & Invitations Retail

**2761 Manifold Business Form Manufacturing and/or Sales & Order Books Manufacturing**

**2771 Greeting Card Publishing Or Publishing & Printing**

**2782 Blankbook Looseleaf Binder & Device Manufacturing** including the following: Album Manufacturing & Wholesale, Book Catalog Etc Covers, Loose Leaf Equipment & Supplies

**2789 Bookbinding & Related Work**

**2791 Typesetting**

**2796 Platemaking & Related Services**, including the following: Platemaking Services, Gravure Printing Plates, Photoengraving, Lithographing & Electrotyping, Positive & Negative Lithographic Plate Manufacturing

Graphic Arts Standard Industrial Classification Codes are from <http://www.webstersonline.com>